PATENT COOPERATION TREATY

TRANSLATION INTERNATIONAL SEARCHING AUTHORITY WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION . See paragraph 2 below P041041P0 International filing date (day/month/year) Priority date (day/month/year) International application No. 26.01.2005 PCT/JP2006/300932 23.01.2006 International Patent Classification (IPC) or both national classification and IPC Applicant MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. III Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Certain defects in the international application Box No. VII Certain observations on the international application Box No. VIII FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Authorized officer Date of completion of this opinion Name and mailing address of the ISA/JP

Telephone No.

Facsimile No.

Box	No. I Basis o	of this opinion						
1	With regard to the lu	nguage, this opinion h	as been established	on the basis of:				
	the international	al application in the lan	iguage in which it v	as filed		•		
		of the international app					, which is the lang	uage of a
	translation furi	nished for the purposes	of international sea	erch (Rulc 12.3(a)	and 23.1(b)).		•	
2.		nucleotide and/or ar on has been established		e disclosed in t	he international	application a	and necessary to t	the claimed
	a. type of materia	ո						
	a sequen	ce listing	•	•	•			
	table(s)	related to the sequence	listing			•		
	b. format of mate	गांबी						•
	Ou baber					,		
	in electro	onic form				•		
	c. time of filing/f	urnishing	•					
	containe	d in the international a	pplication as filed					
	filed tog	ether with the internati	onal application in	electronic form			•	
	furnished	d subsequently to this A	Authority for the pu	rposes of search				
3.	furnished, the	n the case that more the required statements the not go beyond the applic	at the information i	n the subsequent	or additional co	or table(s) rela opies is identic	ating thereto has becal to that in the ap	peen filed or opplication as
4.	Additional commen	ts:						
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	Box	No. V Reasoned statement citations and expla				elty, inventive step	or industrial app	licability;
Claims 1-5, 8-11 NO Industrial applicability (IA) Claims 1-5, 8-11 NO Industrial applicability (IA) Claims 1-1, 8-11 YES Claims 1-1, 8-11 YES Claims 1-1, 8-11 YES Claims 1-1, 8-11 YES Claims No Claims 1-11 Claims No Claims 1-11 YES Claims No Claims Claims No Claims 1-11 YES No Claims No Claims 1-11 YES No Claims No Claims No Claims No Claims 1-11 YES No Claims No Claims No Claims 1-11 YES No Claims No Claims 1-11 YES No Claims	1.			:				
Claims 1-5, 8-11 NO Industrial applicability (IA) Claims 6, 7 Claims 1-5, 8-11 NO Claims 1-5, 8-11 NO Claims 1-5, 8-11 NO Claims 1-11 YES Claims NO Claims NO Claims 1-11 YES Claims NO Claims NO Claims 1-11 YES Claims NO Claims NO Claims NO Claims 1-11 YES Claims 1-11 YES NO Claims 1-11 YES NO Claims 1-11 YES NO Claims 1-11 YES Claims 1-11 YES Claims 1-11 YES NO Claims 1-11 YES Claims 1-11 YES Claims 1-11 YES Claims 1-11 YES NO C		Novelty (N)	Claims	6, 7		•		YES
Industrial applicability (IA) Claims 1-11 Claims 1-11 Claims 1-11 Claims NO 2. Citations and explanations: Document 1: JP, 2004-055127, A (SEAGATE TECHNOLOGY LLC.), 19 February, 2004 (19.02.04) Document 2: JP, 2004-241113, A (Samsung Electronics Co., Ltd.), 26 August, 2004 (26.08.04) Document 3: JP, 2002-288959, A (Matsushita Electric Industrial Co., Ltd.), 04 October, 2002 (04.10.02) Document 4: JP, 2004-139714, A (Matsushita Electric Industrial Co., Ltd.), 13 May, 2004 (13.05.04) The subject matters of claims 1-5, 8 and 10 do not appear to be novel or to involve an inventive step, since they are described in document 1 or document 2 cited in the ISR. The subject matters of claims 9 and 11 do not appear to be novel or to involve an inventive step in view of document 1 or document 2. Suspension having a pivot part is a well-known and commonly used technique. It is also a well-known technique as described in document 3 and document 4, etc. cited in the ISR to dispose the positions with respect to the surface of the head slider and the pivot position such that their projected positions with respect to the surface of the disk-like recording medium coincide with each other. So they are considered to be practically described in document 1 or 2. The subject matters of claims 6 and 7 are neither described in any of the documents cited in the ISR nor obvious to a person skilled in the art.			_		1			NO.
Industrial applicability (IA) Claims 1-11 Claims 1-11 Claims 1-11 Claims NO 2. Citations and explanations: Document 1: JP, 2004-055127, A (SEAGATE TECHNOLOGY LLC.), 19 February, 2004 (19.02.04) Document 2: JP, 2004-241113, A (Samsung Electronics Co., Ltd.), 26 August, 2004 (26.08.04) Document 3: JP, 2002-288959, A (Matsushita Electric Industrial Co., Ltd.), 04 October, 2002 (04.10.02) Document 4: JP, 2004-139714, A (Matsushita Electric Industrial Co., Ltd.), 13 May, 2004 (13.05.04) The subject matters of claims 1-5, 8 and 10 do not appear to be novel or to involve an inventive step, since they are described in document 1 or document 2 cited in the ISR. The subject matters of claims 9 and 11 do not appear to be novel or to involve an inventive step in view of document 1 or document 2. Suspension having a pivot part is a well-known and commonly used technique. It is also a well-known technique as described in document 3 and document 4, etc. cited in the ISR to dispose the positions with respect to the surface of the head slider and the pivot position such that their projected positions with respect to the surface of the disk-like recording medium coincide with each other. So they are considered to be practically described in document 1 or 2. The subject matters of claims 6 and 7 are neither described in any of the documents cited in the ISR nor obvious to a person skilled in the art.		Inventive step (IC)		6 7				VE
Claims 1-11 YES Claims 1-11 YES No 2. Citations and explanations: Document 1: JP, 2004-055127, Λ (SEΛGATE TECHNOLOGY LLC.), 19 February, 2004 (19.02.04) Document 3: JP, 2004-241113, Λ (Samsung Electronics Co., Ltd.), 26 Λugust, 2004 (26.08.04) Document 3: JP, 2002-288959, A (Matsushita Electric Industrial Co., Ltd.), 04 October, 2002 (04.10.02) Document 4: JP, 2004-139714, A (Matsushita Electric Industrial Co., Ltd.), 13 May, 2004 (13.05.04) The subject matters of claims 1-5, 8 and 10 do not appear to be novel or to involve an inventive step, since they are described in document 1 or document 2 cited in the ISR. The subject matters of claims 9 and 11 do not appear to be novel or to involve an inventive step in view of document 1 or document 2. Suspension having a pivot part is a well-known and commonly used technique. It is also a well-known technique as described in document 3 and document 4, etc. cited in the ISR to dispose the position of the center of gravity of the head slider and the pivot position such that their projected positions with respect to the surface of the disk-like recording medium coincide with each other. So they are considered to be practically described in document 1 or 2. The subject matters of claims 6 and 7 are neither described in any of the documents cited in the ISR nor obvious to a person skilled in the art.		mvenove step (1.1)	_		1			
Claims No Citations and explanations: Document 1: JP, 2004-055127, A (SEAGATE TECHNOLOGY LLC.), 19 February, 2004 (19.02.04) Document 2: JP, 2004-241113, A (Samsung Electronics Co., Ltd.), 26 August, 2004 (26.08.04) Document 3: JP, 2002-288959, A (Matsushita Electric Industrial Co., Ltd.), 04 October, 2002 (04.10.02) Document 4: JP, 2004-139714, A (Matsushita Electric Industrial Co., Ltd.), 13 May, 2004 (13.05.04) The subject matters of claims 1-5, 8 and 10 do not appear to be novel or to involve an inventive step, since they are described in document 1 or document 2 cited in the ISR. The subject matters of claims 9 and 11 do not appear to be novel or to involve an inventive step in view of document 1 or document 2. Suspension having a pivot part is a well-known and commonly used technique. It is also a well-known technique as described in document 3 and document 4, etc. cited in the ISR to dispose the position of the center of gravity of the head slider and the pivot position such that their projected positions with respect to the surface of the disk-like recording medium coincide with each other. So they are considered to be practically described in document 1 or 2. The subject matters of claims 6 and 7 are neither described in any of the documents cited in the ISR nor obvious to a person skilled in the art.		•	. Claims _	1 0, 0 1			<u> </u>	
Document 1: JP, 2004-055127, Λ (SEΛGATE TECHNOLOGY LLC.), 19 February, 2004 (19.02.04) Document 2: JP, 2004-241113, Λ (Samsung Electronics Co., Ltd.), 26 August, 2004 (26.08.04) Document 3: JP, 2002-288959, A (Matsushita Electric Industrial Co., Ltd.), 04 October, 2002 (04.10.02) Document 4: JP, 2004-139714, A (Matsushita Electric Industrial Co., Ltd.), 13 May, 2004 (13.05.04) The subject matters of claims 1-5, 8 and 10 do not appear to be novel or to involve an inventive step, since they are described in document 1 or document 2 cited in the ISR. The subject matters of claims 9 and 11 do not appear to be novel or to involve an inventive step in view of document 1 or document 2. Suspension having a pivot part is a well-known and commonly used technique. It is also a well-known technique as described in document 3 and document 4, etc. cited in the ISR to dispose the position of the center of gravity of the head slider and the pivot position such that their projected positions with respect to the surface of the disk-like recording medium coincide with each other. So they are considered to be practically described in document 1 or 2. The subject matters of claims 6 and 7 are neither described in any of the documents cited in the ISR nor obvious to a person skilled in the art.		Industrial applicability (IA)	Claims _	1-11			•	
Document 1: JP, 2004-055127, A (SEAGATE TECHNOLOGY LLC.), 19 February, 2004 (19.02.04) Document 2: JP, 2004-241113, A (Samsung Electronics Co., Ltd.), 26 August, 2004 (26.08.04) Document 3: JP, 2002-288959, A (Matsushita Electric Industrial Co., Ltd.), 04 October, 2002 (04.10.02) Document 4: JP, 2004-139714, A (Matsushita Electric Industrial Co., Ltd.), 13 May, 2004 (13.05.04) The subject matters of claims 1-5, 8 and 10 do not appear to be novel or to involve an inventive step, since they are described in document 1 or document 2 cited in the ISR. The subject matters of claims 9 and 11 do not appear to be novel or to involve an inventive step in view of document 1 or document 2. Suspension having a pivot part is a well-known and commonly used technique. It is also a well-known technique as described in document 3 and document 4, etc. cited in the ISR to dispose the positions of the center of gravity of the head slider and the pivot position such that their projected positions with respect to the surface of the disk-like recording medium coincide with each other. So they are considered to be practically described in document 1 or 2. The subject matters of claims 6 and 7 are neither described in any of the documents cited in the ISR nor obvious to a person skilled in the art.			Claims _					NO
(19.02.04) Document 2: JP, 2004-241113, Λ (Samsung Electronics Co., Ltd.), 26 August, 2004 (26.08.04) Document 3: JP, 2002-288959, A (Matsushita Electric Industrial Co., Ltd.), 04 October, 2002 (04.10.02) Document 4: JP, 2004-139714, A (Matsushita Electric Industrial Co., Ltd.), 13 May, 2004 (13.05.04) The subject matters of claims 1-5, 8 and 10 do not appear to be novel or to involve an inventive step, since they are described in document 1 or document 2 cited in the ISR. The subject matters of claims 9 and 11 do not appear to be novel or to involve an inventive step in view of document 1 or document 2. Suspension having a pivot part is a well-known and commonly used technique. It is also a well-known technique as described in document 3 and document 4, etc. cited in the ISR to dispose the position of the center of gravity of the head slider and the pivot position such that their projected positions with respect to the surface of the disk-like recording medium coincide with each other. So they are considered to be practically described in document 1 or 2. The subject matters of claims 6 and 7 are neither described in any of the documents cited in the ISR nor obvious to a person skilled in the art.	 2.	Citations and explanations:		· · · · · · · · · · · · · · · · · · ·		•		
ISR nor obvious to a person skilled in the art.		in view of document 1 c Suspension having known technique as des position of the center of positions with respect to they are considered to b	or docume a pivot pa cribed in of gravity of the surfa e practica	nt 2. In the second of the second of the second of the disk life described.	own and cond document der and the police recording the document do	mmonly used 14, etc. cited i ivot position song medium coll or 2.	technique. It in the ISR to c such that their bincide with e	is also a well lispose the projected ach other. So
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	 	ents cited			
1. Cen	tain published documents (Rule 43bis.1 and 70	0.10)		
	Application Patent No		Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
	JP 2005-28521	 .	13.10.2005	29.03.2004	
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2. No	n-written disclosures (Rule	43his 1 and 70.9)	· · · · · · · · · · · · · · · · · · ·	<u> </u>	,
2. 110					ate of written disclosure
	Kind of non-writte	n disclosure	Date of non-written d (day/month/yea		ing to non-written disclosure (day/month/year)
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特許協力条約

発信人 日本国特許庁(国際調査機関

光伯八 日产自10117 (自然构造版成)	•
代理人 岩橋 文雄	
様	
あて名 〒571 8501 大阪府門真市大字門真1006番地 松下電器産業株式会社内	PCT 国際調査機関の見解書 (法施行規則第 40 条の 2) (PCT規則 43 の 2.1)
	発送日 (日.月.年) 18.04.2006
出願人又は代理人 の書類記号 P041041P0	今後の手続きについては、下記2を参照すること。
国際出願番号 PCT/JP2006/300932 (日.月.年) 23.0	優先日 (日.月.年) 26.01.2005
国際特許分類 (IPC) Int.Cl. G11B5/60(2006.01), G11B21/21	(2006. 01)
出願人 (氏名又は名称) 松下電器産業株式会社	
1. この見解書は次の内容を含む。	
※ 第1欄 見解の基礎 ※ 第1欄 優先権	
第Ⅲ欄 新規性、進歩性又は産業上の利用可能	と性についての見解の不作成
第IV欄 発明の単一性の欠如② 第V欄 PCT規則 43 の 2.1(a)(i)に規定す	る新規性、進歩性又は産業上の利用可能性についての見解、
それを裏付けるための文献及び説明	
₩ 第VI欄 ある種の引用文献 第VII欄 国際出願の不備	
第VII欄 国際出願の不備 第VII欄 国際出願に対する意見	
, XIV-1111	
際予備審査機関がPCT規則 66.1 の 2(b)の規定に基づいるない旨を国際事務局に通知していた場合を除いて、この	明査機関とは異なる国際予備審査機関を選択し、かつ、その国 いて国際調査機関の見解書を国際予備審査機関の見解書とみな 見解書は国際予備審査機関の最初の見解書とみなされる。
この見解書が上記のように国際予備審査機関の見解書とみら3月又は優先日から22月のうちいずれか遅く満了する な場合は補正書とともに、答弁書を提出することができる	なされる場合、様式PCT/ISA/220を送付した日か る期限が経過するまでに、出願人は国際予備審企機関に、適当 。
さらなる選択肢は、様式PCT/ISA/220を参照す	ること。
3. さらなる詳細は、様式PCT/ISA/220の備考を参	照すること。
見解書を作成した日 10.04.2006	
名称及びあて先	特許庁審査官(権限のある職員) 5D 9743
日本国特許庁(ISA/JP)	馬場 慎
郵便番号100-8915 東京都千代田区霞が関三丁目4番3号	電話番号 03-3581-1101 内線 3551

第I欄 見解の基礎		
1 愛語に関し この	見解事!	は以下のものに基づき作成した。
□ 出願時の言語		
****		調査のための言語である 語に翻訳された、この国際出願の翻訳文
(PCT規則)	12.3(a)	处び23.1(b))
2. この国際出願で開 以下に基づき見解		いつ請求の範囲に係る発明に不可欠なヌクレオチド乂はアミノ酸配列に関して、 対した。
a. タイプ		配列表
	\square	配列表に関連するテーブル
b. フォーマット	1	紙形式
,		
•		電子形式
c . 提出時期	T	山願時の国際山願に含まれていたもの
		この国際出願と共に電子形式により提出されたもの
•		出願後に、調査のために、この国際調査機関に提出されたもの
3. ご さらに、配列 た配列が出解 あった。	表又は配ける。 時に提出	記列表に関連するテーブルを提出した場合に、出願後に提出した配列若しくは追加して提出し 出した配列と同一である旨、又は、出願時の開示を超える事項を含まない旨の陳述書の提出が
4. 補足意見:		
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•		
:		

第V欄 新規性、進歩性又は産業上の利用可能性についてのPCT規則43の2.1(a)(i)に定める見解、 それを裏付る文献及び説明

見解

新規性 (N)

請求の範囲 6,

請求の範囲 1-5,8-11

進歩性(IS)

請求の範囲 6,7

請求の範囲 1-5,8-11

産業上の利用可能性(IA)

請求の範囲 1-11

請求の範囲

2. 文献及び説明

文献1:JP 2004-055127 A

(シーゲイト テクノロジー エルエルシー) 2004.02.19,

文献2:JP 2004-241113 A

2004.08.26 (三星電子株式会社)

文献 3: JP 2002-288959 A

2002.10.04 (松下電器産業株式会社)

文献 4: JP 2004-139714 A

2004.05.13 (松下電器産業株式会社)

請求の範囲1-5,8,10に係る発明は、国際調査報告に引用された文献1又は 文献 2 に記載されているので、新規性、進歩性を有しない。

請求の範囲9,11に係る発明は、上記文献1又は文献2より新規性、進歩性を有 しない。

サスペンションがピボット部を有することは、周知慣用の技術であり、ヘッドスラ イダの重心位置とピボット位置とをディスク状記録媒体面に対して投影した位置が 一致するようにすることは、例えば、国際調査報告に引用された文献3及び文献4等 に記載されるように周知の技術であるから、これらは上記文献1又は文献2に実質的 に記載されている事項であると認められる。

請求の範囲6,7に係る発明は、国際調査報告に引用された上記何れの文献にも記 載されておらず、当業者にとって自明のものでもない。

国際調査機関の見解書

国際出願番号 PCT/JP2006/300932

第VI欄 ある種の引用文献

1. ある種の公表された文書(PCT規則 43 の 2.1 及び 70.10)

出願番号 符許番号

公知日 (日.月.年)

- 13, 10, 2005

出願日 (日.月.年) 29, 03, 2004 優先日(有効な優先権の主張)

(日.月.年)

JP 2005-285218 P, XJ

書面による開示以外の開示(PCT規則43の2.1及び70.9) 2.

書面による開示以外の開示の種類

書面による開示以外の開示の日付

書面による開示以外の開示に言及している 售面の日付(日.月.年)

PATENT COOPERATION TREATY

TRANSLATION INTERNATIONAL SEARCHING AUTHORITY WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION See paragraph 2 below P041041P0 International filing date (day/month/year) Priority date (day/month/year) International application No. 26.01.2005 23.01.2006 PCT/JP2006/300932 International Patent Classification (IPC) or both national classification and IPC Applicant MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. This opinion contains indications relating to the following items: Basis of the opinion Box No. I Box No. II Priority Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. III Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Certain defects in the international application Box No. VII · Certain observations on the international application Box No. VIII **FURTHER ACTION** If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Date of completion of this opinion Authorized officer Name and mailing address of the ISA/JP

Telephone No.

Form PCT/ISA/237 (cover sheet) (April 2005)

Facsimile No.

the international application in the language in which it was filed the translation of the international application into translation furnished for the purposes of international search (Rule 12.3(a) and 23.1(b)). With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of: a. type of material a sequence listing table(s) related to the sequence listing b. format of material on paper in electronic form c. time of filing/furnishing contained in the international application as filed filed together with the international application in electronic form furnished subsequently to this Authority for the purposes of search 1. naddition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or does not go beyond the application as filed, as appropriate, were furnished. 4. Additional comments:	Box	No. I	Busis of this opinion		
the translation of the international application into	1.	Withr	regard to the lunguage, this opinion has been established on the basis of:		
translation furnished for the purposes of international search (Rule 12.3(a) and 23.1(b)). 2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of: a. type of material a sequence listing table(s) related to the sequence listing b. format of material on paper in electronic form c. time of filing/furnishing contained in the international application as filed filed together with the international application in electronic form furnished subsequently to this Authority for the purposes of search In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.			the international application in the language in which it was filed		
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of: a. type of material a sequence listing table(s) related to the sequence listing b. format of material on paper in electronic form c. time of filing/furnishing contained in the international application as filed filed tegether with the international application in electronic form furnished subsequently to this Authority for the purposes of search In addition, in the case that more than once version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does, not go beyond the application as filed, as appropriate, were furnished. 4. Additional comments:					, which is the language of a
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International application No.
PCT/JP2006/300932

Box No. V	Reasoned statement citations and expla	nt under Ru mations sur	ile 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; porting such statement	
1., Statement				
Novelty	(N)	Claims	6, 7	YES
			1-5, 8-11	- NO
Inventive	e step (IS)	Claims	6, 7	YES
		Claims	1-5, 8-11	NO.
Industria	d applicability (IA)	Claims	1-11	_ YES
		Claims		NO .

Document 1: JP, 2004-055127, Λ (SEΛGΛΤΕ TECHNOLOGY LLC.), 19 February, 2004 (19 02 04)

Document 2: JP, 2004-241113, Λ (Samsung Electronics Co., Ltd.), 26 August, 2004 (26.08.04)

Document 3: JP, 2002-288959, A (Matsushita Electric Industrial Co., Ltd.), 04 October, 2002

Document 4: JP, 2004-139714, A (Matsushita Electric Industrial Co., Ltd.), 13 May, 2004 (13.05.04)

The subject matters of claims 1-5, 8 and 10 do not appear to be novel or to involve an inventive step, since they are described in document 1 or document 2 cited in the ISR.

The subject matters of claims 9 and 11 do not appear to be novel or to involve an inventive step in view of document 1 or document 2.

Suspension having a pivot part is a well-known and commonly used technique. It is also a well-known technique as described in document 3 and document 4, etc. cited in the ISR to dispose the position of the center of gravity of the head slider and the pivot position such that their projected positions with respect to the surface of the disk-like recording medium coincide with each other. So, they are considered to be practically described in document 1 or 2.

The subject matters of claims 6 and 7 are neither described in any of the documents cited in the ISR nor obvious to a person skilled in the art.

Certain publishe	ed documents (R	ule 43 <i>bis.</i> 1 an	nd 70.10)			•	
<u> </u>	Application N Patent No.	o.		ion date		g date onth/year)	Priority date (valid c (day/month/year
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特許協力条約

発信人 日本国特許庁 (国際調査機関)

代理人	
岩橋 文雄	
様	
あて名 〒571 8501 大阪府門真市大字門真1006番地 松下電器産業株式会社内	PCT 国際調査機関の見解書 (法施行規則第 40 条の 2) [PCT規則 43 の 2.1]
	発送日 (日.月.年) 18. ['] 04.2006
出願人又は代理人 の書類記号 P041041P0	今後の手続きについては、下記2を参照すること。
国際出願番号 PCT/JP2006/300932 (日.月.年) 23.0	優先日 (日.月.年) 26.01.2005
国際符許分類 (IPC) Int.Cl. G11B5/60(2006.01), G11B21/2	1 (2006. 01)
出願人(氏名又は名称) 松下電器産業株式会社	
それを裏付けるための文献及び説明 第 71欄 ある種の引用文献 第 71欄 国際出願の不備 第 71欄 国際出願に対する意見 2. 今後の手続き 国際予備審査の請求がされた場合は、出願人がこの国際 1 除予備審査機関が P C T 規則 66.1 の 2 (b) の規定に基づい さない旨を国際事務局に通知していた場合を除いて、このこの見解表が上記のように国際予備審査機関の見解書と	一る新規性、進歩性又は産業上の利用可能性についての見解、 周査機関とは異なる国際予備審査機関を選択し、かつ、その国 いて国際調査機関の見解書を国際予備審査機関の見解書とみなり 見解書は国際予備審査機関の最初の見解書とみなされる。 いなされる場合、様式PCT/ISA/220を送付した日かる期限が経過するまでに、出願人は国際予備審査機関に、適当
見解書を作成した日 10.04.2006	
名称及びあて先 日本国特許庁(ISA/JP) 郵便番号100-8915 東京都千代田区霞が関三丁目4番3号	特許庁審査官 (権限のある職員) 5D 9743 馬場 慎 電話番号 03-3581-1101 内線 3551

国際調査機関の見解書

第 I 欄 見解の基礎			
1. 言語に関し、この	見解書は	は以下のものに基づき作成した。	
₩ 出願時の言語			
		調査のための言語である 語に翻訳された、この国際出願の餐	文/派
(PCT規則1	2.3(a)b	及び23.1(b))	
2. この国際出願で開 以下に基づき見解		いつ請求の範囲に係る発明に不可欠なヌクレオチド乂はアミノ酸配列に関して、 成した。	
a. タイプ	Ē	配列表	
	Π,	配列表に関連するテーブル	
b. フォーマット		紙形式	
	\Box	電子形式	
c. 提出時期	m	出願時の国際出願に含まれていたもの	
		この国際出願と共に電子形式により提出されたもの	
	\mathbf{m}	出願後に、調査のために、この国際調査機関に提出されたもの	
4. 補足意見:			
4. 佣化总允			•
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第V欄 新規性、進歩性又は産業上の利用可能性についてのPCT規則43の2.1(a)(i)に定める見解、 それを裏付る文献及び説明

見解

新規性 (N)

請求の範囲 6, 請求の範囲 $1-5, 8-1_{1}$

進歩性 (IS)

請求の範囲 6,

請求の範囲 1-5,8-11

産業上の利用可能性(IA)

請求の範囲 1-11

請求の範囲

2. 文献及び説明

文献1:JP 2004-055127 A

(シーゲイト テクノロジー エルエルシー) 2004.02.19,

文献 2: JP 2004-241113 A

2004.08.26 (三星電子株式会社)

文献3:JP 2002-288959 A

2002.10.04 (松下電器産業株式会社)

文献4:JP 2004-139714 A

(松下電器産業株式会社) 2004.05.13

請求の範囲1-5,8,10に係る発明は、国際調査報告に引用された文献1又は 文献 2 に記載されているので、新規性、進歩性を有しない。

請求の範囲9,11に係る発明は、上記文献1又は文献2より新規性、進歩性を有 しない。

サスペンションがピボット部を有することは、周知慣用の技術であり、ヘッドスラ イダの重心位置とピボット位置とをディスク状記録媒体面に対して投影した位置が 一致するようにすることは、例えば、国際調査報告に引用された文献3及び文献4等 に記載されるように周知の技術であるから、これらは上記文献1又は文献2に実質的 に記載されている事項であると認められる。

請求の範囲6,7に係る発明は、国際調査報告に引用された上記何れの文献にも記 載されておらず、当業者にとって自明のものでもない。

国際部	本度	関の	目在	2生	
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国際出願番号 PCT/JP2006/300932

第VI概	ある種の引用文献			
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出願番号 符許番号

公知日 (日. 月. 年)

13. 10. 2005

出願日 (日.月.年) 優先日 (有効な優先権の主張) (日.月.年)

29. 03. 2004

JP 2005-285218 ſP, XJ

書面による開示以外の開示(PCT規則43の2.1及び70.9)

書面による開示以外の開示の種類 書面による開示以外の開示の日付 (日, 月, 年)

書面による開示以外の開示に言及している